RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/534,800
Source: PCT
Date Processed by STIC: 02/07/2006

ENTERED

PCT

RAW SEQUENCE LISTING DATE: 02/07/2006
PATENT APPLICATION: **US/10/534,800** TIME: 09:43:07

Input Set : **A:\2005-11-21 2870-0299PUS1.txt**
Output Set: **N:\CRF4\02012006\J534800.raw**

3 <110> APPLICANT: MURAGUCHI, Atsushi
4 KISHI, Hiroyuki
5 TAMIYA, Eiichi
6 SUZUKI, Masayasu
8 <120> TITLE OF INVENTION: MICROWELL ARRAY CHIP FOR DETECTING ANTIGEN-SPECIFIC LYMPHOCYTES,
THOD OF
9 DETECTING AND METHOD OF MANUFACTURING ANTIGEN-SPECIFIC LYMPHOCYTES, AND
10 METHOD OF CLONING ANTIGEN-SPECIFIC LYMPHOCYTE ANTIGEN RECEPTOR GENES
12 <130> FILE REFERENCE: 2870-0299PUS1
14 <140> CURRENT APPLICATION NUMBER: US 10/534,800
15 <141> CURRENT FILING DATE: 2005-05-12
17 <150> PRIOR APPLICATION NUMBER: PCT/JP03/12500
18 <151> PRIOR FILING DATE: 2003-09-30
20 <160> NUMBER OF SEQ ID NOS: 52
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 21
24 <212> TYPE: DNA
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: H chain primer sequence, hVH17a.1
30 <400> SEQUENCE: 1
31 atggactgsa yytggagvdt c 21
33 <210> SEQ ID NO: 2
34 <211> LENGTH: 20
35 <212> TYPE: DNA
36 <213> ORGANISM: Artificial Sequence
38 <220> FEATURE:
39 <223> OTHER INFORMATION: H chain primer sequence, hVH2a.1
41 <400> SEQUENCE: 2
42 tccacrctcc tgctrctgac 20
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 20
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: H chain primer sequence, hVH3a.1
52 <400> SEQUENCE: 3
53 gggcygagst ggvttttyct 20
55 <210> SEQ ID NO: 4
56 <211> LENGTH: 20
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: H chain primer sequence, hVH4a.1

LPR-67

RAW SEQUENCE LISTING DATE: 02/07/2006
PATENT APPLICATION: **US/10/534,800** TIME: 09:43:07

Input Set : **A:\2005-11-21 2870-0299PUS1.txt**
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63 <400> SEQUENCE: 4
64 tcctcctsct ggtggcagct 20
66 <210> SEQ ID NO: 5
67 <211> LENGTH: 20
68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: H chain primer sequence, hVH5.1
74 <400> SEQUENCE: 5
75 tcaaccgcca tcctcgccct 20
77 <210> SEQ ID NO: 6
78 <211> LENGTH: 21
79 <212> TYPE: DNA
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: H chain primer sequence, hVH6.1
85 <400> SEQUENCE: 6
86 ctccttcctc atcttcctgc c 21
88 <210> SEQ ID NO: 7
89 <211> LENGTH: 21
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: C chain primer sequence, hIGHG1-4out
96 <400> SEQUENCE: 7
97 agtccttgac caggcagccc a 21
99 <210> SEQ ID NO: 8
100 <211> LENGTH: 21
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: C chain primer sequence, hIGHMout
107 <400> SEQUENCE: 8
108 attctcacag gagacgaggg g 21
110 <210> SEQ ID NO: 9
111 <211> LENGTH: 21
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: L chain primer sequence, hKV12.1
118 <400> SEQUENCE: 9
119 atgaggstcc cygctcagct c 21
121 <210> SEQ ID NO: 10
122 <211> LENGTH: 22
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: L chain primer sequence, hKV3.1
129 <400> SEQUENCE: 10

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PATENT APPLICATION: US/10/534,800 TIME: 09:43:07

Input Set : A:\2005-11-21 2870-0299PUS1.txt
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130 ctcttcctcc tgctactctg gc 22
132 <210> SEQ ID NO: 11
133 <211> LENGTH: 19
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: L chain primer sequence, hKV45.1
140 <400> SEQUENCE: 11
141 ctsttsctyt ggatctctg 19
143 <210> SEQ ID NO: 12
144 <211> LENGTH: 20
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: L chain primer sequence, hKV6.1
151 <400> SEQUENCE: 12
152 tgggtttctg ctgctctggg 20
154 <210> SEQ ID NO: 13
155 <211> LENGTH: 21
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: L chain primer sequence, hKV7.1
162 <400> SEQUENCE: 13
163 atagggtccg gggctccttt g 21
165 <210> SEQ ID NO: 14
166 <211> LENGTH: 21
167 <212> TYPE: DNA
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: L chain primer sequence, hLV12.1
173 <400> SEQUENCE: 14
174 cykctsctcc tcactctcct c 21
176 <210> SEQ ID NO: 15
177 <211> LENGTH: 21
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: L chain primer sequence, hLV3.1
184 <400> SEQUENCE: 15
185 ttctcctcct cggcctcctc t 21
187 <210> SEQ ID NO: 16
188 <211> LENGTH: 21
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: L chain primer sequence, hLV4.2-2
195 <400> SEQUENCE: 16
196 ccagcytgtg ctgactcaat c 21

RAW SEQUENCE LISTING DATE: 02/07/2006
PATENT APPLICATION: **US/10/534,800** TIME: 09:43:07

Input Set : **A:\2005-11-21 2870-0299PUS1.txt**
Output Set: **N:\CRF4\02012006\J534800.raw**

198 <210> SEQ ID NO: 17
199 <211> LENGTH: 21
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: L chain primer sequence, hLV789.2
206 <400> SEQUENCE: 17
207 tcycagmctg tgstgacyca g 21
209 <210> SEQ ID NO: 18
210 <211> LENGTH: 20
211 <212> TYPE: DNA
212 <213> ORGANISM: Artificial Sequence
214 <220> FEATURE:
215 <223> OTHER INFORMATION: L chain primer sequence, hLV6.1
217 <400> SEQUENCE: 18
218 ttttatgctg actcagcccc 20
220 <210> SEQ ID NO: 19
221 <211> LENGTH: 22
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: L chain primer sequence, hLV7.1
228 <400> SEQUENCE: 19
229 ggcctggact cctctctttc tg 22
231 <210> SEQ ID NO: 20
232 <211> LENGTH: 22
233 <212> TYPE: DNA
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: L chain primer sequence, hLV8.1
239 <400> SEQUENCE: 20
240 ggcctggatg atgcttctcc tc 22
242 <210> SEQ ID NO: 21
243 <211> LENGTH: 21
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: L chain primer sequence, hLV9.1
250 <400> SEQUENCE: 21
251 tcctctgctc ctcaccctcc t 21
253 <210> SEQ ID NO: 22
254 <211> LENGTH: 21
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: L chain primer sequence, hLV10.1
261 <400> SEQUENCE: 22
262 cctgggtcat gctcctcctg a 21
264 <210> SEQ ID NO: 23

RAW SEQUENCE LISTING DATE: 02/07/2006
PATENT APPLICATION: US/10/534,800 TIME: 09:43:07

Input Set : A:\2005-11-21 2870-0299PUS1.txt
Output Set: N:\CRF4\02012006\J534800.raw

265 <211> LENGTH: 21
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: L chain primer sequence, hLV11.1
272 <400> SEQUENCE: 23
273 gcctgggctc cactacttct c 21
275 <210> SEQ ID NO: 24
276 <211> LENGTH: 20
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: L chain primer sequence, hIGK1
283 <400> SEQUENCE: 24
284 ctgctcatca gatggcggga 20
286 <210> SEQ ID NO: 25
287 <211> LENGTH: 21
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: L chain primer sequence, hIGL1
294 <400> SEQUENCE: 25
295 gacacacyag tgtggccttg t 21
297 <210> SEQ ID NO: 26
298 <211> LENGTH: 21
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: H chain primer sequence, hVH17a.2
305 <400> SEQUENCE: 26
306 ggtgcagctk gtrcartctg g 21
308 <210> SEQ ID NO: 27
309 <211> LENGTH: 21
310 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: H chain primer sequence, hVH2a.2
316 <400> SEQUENCE: 27
317 caccttgarg gagtctggtc c 21
319 <210> SEQ ID NO: 28
320 <211> LENGTH: 21
321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial Sequence
324 <220> FEATURE:
325 <223> OTHER INFORMATION: H chain primer sequence, hVH3a.2
327 <400> SEQUENCE: 28
328 aggtdcarct gktggagtcy g 21
330 <210> SEQ ID NO: 29
331 <211> LENGTH: 21

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 02/07/2006
PATENT APPLICATION: **US/10/534,800** TIME: 09:43:08

Input Set : **A:\2005-11-21 2870-0299PUS1.txt**
Output Set: **N:\CRF4\02012006\J534800.raw**

ease Note:
e of n and/or Xaa have been detected in the Sequence Listing. Please review the quence Listing to ensure that a corresponding explanation is presented in the <220> <223> fields of each sequence which presents at least one n or Xaa.

q#:49; N Pos. 57,79,129,216,237,245,256

valid Line Length:
e rules require that a line not exceed 72 characters in length. This includes spaces.

q#:1; Line(s) 8

VERIFICATION SUMMARY DATE: 02/07/2006
PATENT APPLICATION: **US/10/534,800** TIME: 09:43:08

Input Set : **A:\2005-11-21 2870-0299PUS1.txt**
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599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
341 Repeated in SeqNo=49